

ATTACHMENT 1



UNITED STATES PATENT AND TRADEMARK OFFICE

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Fax Cover Sheet

Date: 24 Mar 2005

To: Mark Kirkland or Subroto Bose	From: Chanh Nguyen (USPTO)
Application/Control Number: 09/378,227	Art Unit: 2675
Fax No.: (650) 839-5071	Phone No.: (571) 272-7772
Voice No.: (650) 839-6111	Return Fax No.: (703) 872-9306
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Comments:
Dear Sir,

Here is proposed amendment as discussed during interview including the limitation "average" as you suggested and additional limitation "boundary" as proposed by examiner.

Number of pages 2 including this page

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Proposed Amendment

1. (Current Amended) In a display system operable to display each of a plurality of pixels at a visual output intensity relative to an output display device according to a corresponding pixel input value, a method for determining device-specific information for pixels to obtain an optimal display of images on output display device, the output display device having one or more color planes, the method comprising determining a set of device-specific pixel input values, based on user input, that will cause the display system to display a corresponding set of target visual output intensities relative to the output display device, the determining step including displaying a control region and a reference region on the output display device, the control region being defined by a plurality of control pixels, the reference region being defined by a plurality of reference pixels, the pixels input values being selected so that the average of the visual output intensities of the reference pixels is target visual output intensity, each of the control pixels having a common pixel input value, evaluating the control region and reference region for each color pixel of the display device, and adjusting the common pixel input value for the control pixels until a match is achieved between an appearance of the reference region and an appearance of the control region for each color plane, such that the target visual output intensities are achieved, wherein the control region is within a boundary of the reference region.

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3. (Current Amended) In a display system operable to display each of a plurality of pixels at a visual output intensity relative to an output device according to a corresponding pixel input value, a method for determining device-specific information for pixels, the method comprising:

obtaining a target visual output intensity;

establishing a reference region in a display device, the reference region being defined by a plurality of reference pixels;

selecting a pixel input value for each of the reference pixels from among a set of pixel input values for which the corresponding visual output intensities are known, the pixel input values being selected so that the average of the visual output intensities of the reference pixels is target visual output intensity;

displaying the reference region with the selected pixel input values for the reference pixels;

displaying a control region on the display device, the control region being defined by a plurality of control pixels, each of the control pixels having a common pixel input value;

adjusting the common pixel input value in response to user input; and

associating the common pixel input value with the target visual output intensity when a user input indicates a match between the appearance of the reference region and the appearance of the control region, wherein the control region is within a boundary of the reference region.

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46. (Current Amended) In a display system operable to display each of a plurality of pixels at a visual output intensity relative to a liquid crystal display (LCD) device according to a corresponding pixel input value, a method for determining device-specific information for pixels to obtain an optical display of images on a liquid crystal display (LCD) device, the LCD device having one or more color planes, the method comprising:

determining a set of device-specific pixel input values, based on user input, that will cause the display system to display a corresponding set of target visual output intensities relative to liquid crystal display (LCD) device, the determining step including displaying a control region and a reference region on the liquid crystal display (LCD) device, the control region being defined by a plurality of control pixels, the reference region being defined by a plurality of reference pixels, the pixels input values being selected so that the average of the visual output intensities of the reference pixels is target visual output intensity, each of the control pixels having a common pixel input value, evaluating the control region and reference region for each color pixel of the display device, and adjusting the common pixel input value for the control pixels until a match is achieved between an appearance of the reference region and an appearance of the control region for each color plane, such that the target visual output intensities are achieved, wherein the control region is within a boundary of the reference region.

62. (Current Amended) A computer-implemented method, comprising:

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displaying a reference region in a display device, the reference region being defined by a plurality of reference pixels, the displaying step including selecting a pixel input value for each of the reference pixels to produce a target visual output intensity relative to an output display device, the pixels input values being selected so that the average of the visual output intensities of the reference pixels is target visual output intensity;

displaying a control region on the display device, the control region being defined by a plurality of control pixels, each of the control pixels having a common pixel input value;

adjusting the common pixel input value in response to user until a visual match is achieved between the reference region and the control region, wherein the control region is within a boundary of the reference region; and

associating the common pixel input value with the target visual output intensity.

64. (Current Amended) A computer program product, tangibly stored on a computer-readable medium, for determining device-specific information for pixels to obtain an optimal display of images on output display device, the output display device having one or more color planes, the computer program product comprising instructions operable to cause a programmable processor to:

determine a set of device-specific pixel input values, based on user input, that will cause the display system to display a corresponding set of target visual output intensities relative to the output display device, the determining step including displaying

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a control region and a reference region on the output display device, the control region being defined by a plurality of control pixels, the reference region being defined by a plurality of reference pixels, the pixels input values being selected so that the average of the visual output intensities of the reference pixels is target visual output intensity, each of the control pixels having a common pixel input value, evaluating the control region and reference region for each color pixel of the display device, and adjusting the common pixel input value for the control pixels until a match is achieved between an appearance of the reference region and an appearance of the control region for each color plane, such that the target visual output intensities are achieved, wherein the control region is within a boundary of the reference region.

66. (Current Amended) A computer program product, tangibly stored on a computer-readable medium, for determining device-specific information for pixels, the computer program product comprising instructions operable to cause a programmable processor to:

obtaining a target visual output intensity;

establishing a reference region in a display device, the reference region being defined by a plurality of reference pixels;

selecting a pixel input value for each of the reference pixels from among a set of pixel input values for which the corresponding visual output intensities are known, the pixel input values being selected so that the average of the visual output intensities of the reference pixels is target visual output intensity;

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displaying the reference region with the selected pixel input values for the reference pixels;

displaying a control region on the display device, the control region being defined by a plurality of control pixels, each of the control pixels having a common pixel input value;

adjusting the common pixel input value in response to user input; and

associating the common pixel input value with the target visual output intensity when a user input indicates a match between the appearance of the reference region and the appearance of the control region, wherein the control region is within a boundary of the reference region.

72. (Current Amended) A computer program product, tangibly stored on a computer-readable medium, comprising instructions operable to cause a programmable processor to:

display a reference region in a display device, the reference region being defined by a plurality of reference pixels, the displaying step including selecting a pixel input value for each of the reference pixels to produce a target visual output intensity relative to an output display device, the pixels input values being selected so that the average of the visual output intensities of the reference pixels is target visual output intensity;

display a control region on the display device, the control region being defined by a plurality of control pixels, each of the control pixels having a common pixel input value;

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adjust the common pixel input value in response to user until a visual match is achieved between the reference region and the control region, wherein the control region is within a boundary of the reference region; and associating the common pixel input value with the target visual output intensity.

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